

Freedom of Information Release

On

Subject: Nikola Tesla

File #: 100-2237

Pages Reviewed - 160

Pages Released - 160



arranged in Belgrade (where Tesla's property was to be installed in a special Tesla Museum) and was there opened by Mr. Kosanović. According to his former secretary, both the bunch of keys and the medal were missing. The keys were later found in a tin box outside the safe; the medal was never found.

I learned of the disappearance of the medal only by accident. Mr. Kosanović had asked his former secretary to get permission from the American Institute of Electrical Engineers (who gave Tesla the Medal) to have it duplicated. This was given, but the cost, it turned out, would be about four hundred dollars. In the meantime, the Tesla Museum, in Yugoslavia, is quietly trying to raise the money to pay for it.

The irony of this situation is more disturbing than the money involved. By giving us a system which made electric power universally available, Tesla---probably more than any other one man---helped put America on top of the world. At the time he died, his gold Edison Medal was the only material evidence left of this country's appreciation. That this last token should have disappeared ---to have to be replaced by his materially poor countrymen overseas for whom he had done nothing---seems a tragic denouement.

John O'Neill
John O'Neill, in his biography of Tesla, states that the FBI broke into Tesla's safe on the day he died, and an article in the current (June) Coronet repeats this. I know this isn't true. I did hear, however, that the FBI somehow lent a hand to the Alien Property Custodian during the latter's search in the warehouse.

If that is so, I thought that perhaps some of your men might remember the conditions under which the search was made and therefore might have a suggestion as to what could have happened to the medal. After this long time, I have no hope that the medal can actually be restored, and I am already trying to interest Americans in making a replacement. But future biographers might be spared a lot of wild guessin. and wrong blaming if some hint could be obtained as to whether the original got lost, strayed, or stolen---and who might have been responsible.

With best regards and sincere appreciation for any help you can give,

Sincerely,

with planetary energy. The article further discusses the subject of wind, tides, lightning, and water power as a source of commercial energy. The last sentence of this memorandum states: "With my wireless system, it is practicable to transmit electrical energy at a distance of twelve thousand miles with a loss not exceeding 5 per cent. I can conceive of no advances which would be more desirable at this time and more beneficial to the further progress of mankind." This memorandum constitutes an interesting generalized discussion of the various sources of power. It is qualitatively correct for the most part except probably in that portion which deals with atomic power.

Exhibit N

"The Transmission of Electric Energy Without Wires" - an article by N. Tesla in the Electric World, March 5, 1904, pages 429-431. A general, somewhat biographical article on Tesla's early work with some speculation on the possibility of long-distance wireless transmission of large amounts of energy.

Exhibit C

"World System of Wireless Transmission of Energy" - an article by N. Tesla in Telegraph and Telephone Age, October 16, 1927, pages 457 and 460. An article which traces the early work on the production and transmission of electromagnetic radiations, describes Tesla's efforts to increase the amount of power which can be transmitted without wires and concludes with a proposed "World System" for the wireless transmission of both power and communications. No workable disclosure of a means for accomplishing this is included, and such generalities as suggest the approach which Tesla had in mind do not seem capable of accomplishing the desired result.

Exhibit P

"Interview with Dr. Nikola Tesla" by Alden P. Arnagnac for Popular Science Monthly, May 24, 1928. An 11-page memorandum written in popular conversational style describing an interview with Dr. Tesla and reporting his present work. This report includes statements on a new airplane, on rocket ships, on the wireless transmission of power, on a world system plan for the transmission of speech and television, on the impracticability of harnessing atomic energy, on radio activity, and on the acceleration of charged particles, such as cathode rays,

TESLA's only military invention was a method to which he once eluded but never fully described. This invention was a means whereby an impenetrable "wall of force" can be erected around the United States' borders which would render helpless any military attack. TESLA disclosed the existence of his plan in 1934 and stated he intended to present it to the Geneva Conference but seldom referred to it afterward.

The "New York Times" dated 9/22/40, carried an article setting forth ~~NICOLA~~ TESLA's plan for a "Death Ray". This article included information to the effect that TESLA, on his 84th birthday, July 10, 1940, advised New York Times reporter WILLIAM A. LAWRENCE that he was ready to divulge to the United States Government the secret of his "teleforce", with which he said airplane motors would be melted at a distance of 250 miles so that an invisible Chinese wall of defense would be built around the country against any attempted attack by an enemy airforce no matter how large. According to TESLA, this "teleforce" was based on an entirely new principle of Physics that "no one has ever dreamed about" and was different from the principle embodied in his inventions relating to the transmission of electrical power from a distance, for which he received a number of basic patents.

TESLA stated that this new type of force would operate through a beam one hundredth millionth of a square centimeter in diameter and could be generated from a special plant that would cost no more than two million dollars and would take only about three months to construct. TESLA stated that a dozen such plants located at strategic points along the coast, according to TESLA, would be enough to defend the United States against all possible aerial attacks. TESLA stated that this beam would melt any engine and would also ignite explosives aboard any bomber. TESLA stated that no possible defense against it could be devised and he asserted that the beam would be all penetrating.

TESLA stated to Mr. LAWRENCE that he makes one important stipulation before he would **divulge this secret to the United States Government** and that was that should the United States Government decide to take up his offer, he would go to work at once but that the United States Government would have to trust him. TESLA stated that he would suffer "no interference from experts."


In this "New York Times" article Mr. LAWRENCE commented that with conditions as they were in 1940, and with the United States getting ready to spend millions of dollars for National Defense, Mr. TESLA's great reputation as an inventor, who always was many years ahead of his time, should be given careful consideration. Mr. LAWRENCE stated, in his opinion, the United States Government should take Mr. TESLA at his word and commission him to go ahead with the construction of his "teleforce" plant.

The New York file of Mr. TESLA bears no indication that any additional developments were carried on in connection with TESLA's invention and whether or not TESLA fully divulged his new plan to the United States Government.

TESLA died at the age of 85 on January 7, 1943.

Mr. [REDACTED] provided a two page copy of the above mentioned newsletter which Mr. and Mrs. STORM have been distributing in connection with the alleged invention by TESLA, which, according to Mr. and Mrs. STORM, consists of a radio type machine known as the Tesla Set which was invented by Mr. TESLA in 1938 **for interplanetary communication.** Mr. and Mrs. STORM claim that TESLA's engineers did not complete the Tesla Set until after TESLA's death in 1943. Mr. and Mrs. STORM claim that this Set was placed in operation in 1950 and since that time TESLA engineers have been **in close touch with space ships, etc.**

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TELEVISION TRIES TO PREVENT WORLD WAR II

When Tesla was talking as a scientist he was opposed to wars on moral, economic and all practical and theoretical grounds. But, like most scientists, when he stopped thinking as a scientist and let his emotions rule his thoughts, he found exceptions in which he felt some wars and situations were justifiable. As a scientist he was unwilling to have the discoveries of scientists applied to the purposes of war makers, but when the emotional phase of his nature took the ruling position he was then willing to apply his genius to devising measures that would prevent wars by supplying protective devices.

This attitude is exemplified in the following statement which he prepared in the twenties but did not publish:

"At present many of the ablest minds are trying to devise expedients for preventing a repetition of the awful conflict which is only theoretically ended and the duration and main issues of which I correctly predicted in an article printed in the Sun of December 20, 1914. The League is not a remedy but, on the contrary, in the opinion of a number of competent men, may bring about results just the opposite. It is particularly regrettable that a punitive policy was adopted in framing the terms of peace because a few years hence it will be possible for nations to fight without armies, ships or guns, by weapons far more terrible, to the destructive action and range of which there is virtually no limit. Any city at any distance whatsoever from the enemy can be destroyed by him and no power on earth can stop him from doing so. If we want to avert an impending calamity and a state of things which may transform this globe into an inferno, we should push the development of flying machines and wireless transmission of energy without an instant's delay and with all the power and resources of the nation."

Tesla saw preventative possibilities in his new invention which embodied "death ray" characteristics and which was made several years after the foregoing statement was written. He saw it providing a curtain of protection which any country, no matter how small, could use as a protection against invasion. While he might offer it as a defensive weapon, however, there would be nothing to stop military men from using it as a weapon of offense.

While I did not know the nature of Tesla's plan I was convinced that it did embody many discoveries that would be of commercial value, and these were the angles he should seek to develop. I felt that if he could be induced to develop some minor phase of his work that would have immediate commercial use he could derive an income from it which would enable him to proceed with his more elaborate plans. To this end I sought to gain some insight into his thoughts, that would enable me to present some real plan for execution. This was no secret to Tesla and his secrets fall far behind every thing I made.

The clearest conception I got, and that was largely from scattered remarks, and by making deductions from them, concerned a possible manner in which one phase of his curtain of protection might operate. This was a "war" angle and as such it did not interest

100-2237-21

Now it seems that sufficient time has elapsed for an investigation of this kind. If Dr. Tesla's Estate has been released by the department in charge, any records that can be made available for examination will be welcomed.

A letter from Harold I. Baynton, Assistant Attorney General, Director, Office of Alien Property, informed me that the Library of Congress listed certain works, writings and research studies prepared by the late Dr. Tesla. However, a letter addressed to the Library failed to bring results as the Library "has no files on the researches of Tesla".

A similar result was obtained from the Bureau of Naval Research and the Department of Commerce.

I am especially interested in the research work in which Tesla was engaged in his later years. There are various unpublished works, such as a 10-page typewritten statement presented in 1937 at a meeting of several well-known editors outlining his discoveries and giving a resume' of his work in the fields of gravity and cosmic ray research, etc. Also, Tesla prepared various papers, one of which was in effort to secure the Pierre Gutzman Prize from the Institute of France. My inquiry is in effort to determine whether any of these documents, as well as others, are at this time available.

I will greatly appreciate any information in regard to any records which you may have.

Very truly yours,

b7c

A large black rectangular redaction box covering the signature and name of the sender.



RESEARCH AND
ENGINEERING

WASHINGTON, D.C. 20301

FEDERAL GOVERNMENT

9 FEB 1981

1311

MEMORANDUM FOR THE DIRECTOR, FEDERAL BUREAU OF INVESTIGATION

SUBJECT: Papers Recovered on the Death of Nicola Tesla (U)



(U) We understand that the FBI may have possession of a number of papers found after the death of Nicola Tesla in 1943. Nicola Tesla was a brilliant electrical engineer (i.e. the Tesla Coil) who was a pioneer in various aspects of electrical transmission phenomena.



(C) We believe that certain of Tesla's papers may contain basic principles which would be of considerable value to certain ongoing research within the DoD. It would be very helpful to have access to his papers.

(U) Since we have really no idea of the possible volume of these papers, we would be happy to provide a researcher who could assist you in reducing the magnitude of the search. If there are further questions, I am the point of contact within the DoD and can be reached at 695-6364 or 695-7417.

REGISTERED
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FB

Allan J. MacLaren
Allan J. MacLaren
LtColonel, USAF
Military Assistant
Strategic and Space Systems

100-2237-33

*Per DoD letter dated 3-29-93
with Enclosures 1 and 2
ALL DoD info is unclassified
DoD referenced FOI/PA # 356,608 and
362,001*

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 7-14-92 BY SP1307/ML2


2 MAR 12 1981

4/9/93 9803 [redacted] b7c 9/s
Classified by: DUSDRE/S&SS
Declassify on: February 1987

DECLASSIFIED BY 1049 [redacted] b7c o/s
ON 1-27-93
Per Army letter 5-25-89
291260 CORRESPONDENCE

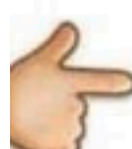

SOMAR 30 1981

CONFIDENTIAL X



ABSTRACTS OF DR. NIKOLA TESLA'S WRITINGS
RETAINED AS EXHIBITS
FOR THE ALIEN PROPERTY CUSTODIAN

1.



On January 26 and 27, 1943, an examination was made of the technical papers of Dr. Nikola Tesla which, after his decease, had been stored in the Manhattan Warehouse in New York City. This examination was made for the purpose of determining if any ideas of significant value in the present United States war effort could be found among his possessions. Participating in this examination were Mr. John C. Newington, New York Office of the Alien Property Custodian; Mr. Charles J. Hedetrimmi, Washington Office of the Alien Property Custodian; Dr. John G. Trump, Office of Scientific Research and Development, Massachusetts Institute of Technology, Cambridge, Massachusetts; Willis George, Office of Naval Intelligence, Third Naval District; Edward Palmer, Chief Yeoman, USNR; John J. Corbett, Chief Yeoman, USNR.

2.

The following papers, which are regarded as typical of Nikola Tesla's writings and thoughts in the period of 1925 to 1942, were removed for the purpose of record and are listed below in the random order in which they were found, together with a brief individual abstract.

Exhibit A

Possibilities of Electrostatic Generators - an undated article probably written about 1934 discussing the possibilities, as a source of high-voltage D-C power, of the Van de Graaff type of electrostatic belt generator. The article states correctly the electrostatic principles employed in this device and points out that such generators are not suitable for commercial high-power applications, though of undoubted scientific value. Tesla's wireless tower, erected in 1902 on Long Island, is stated in this memorandum to have been charged to 30 million volts.

Exhibit B

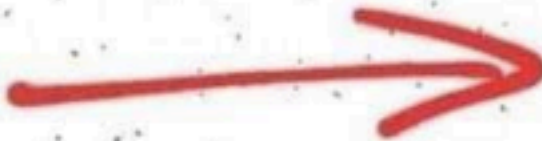
Reactive Forces of Glycerine and Dynamite - an undated memorandum involving some calculations of the explosive power of certain compounds and then deviating to a discussion of the possibility of transmitting power by mechanical vibrations along the earth's crust.

Exhibit Q

An agreement dated April 20, 1935, between Nikola Tesla and the Amtorg Trading Corporation, in which Tesla agreed to supply plans, specifications, and complete information on a method and apparatus for producing high voltages up to fifty million volts, for producing very small particles in a tube open to air, for increasing the charge of the particles to the full voltage of the high potential terminal, and for projecting the particles to distances of a hundred miles or more. The maximum speed of the particles was specified as not less than 350 miles per second. The receipt of \$25,000 for this disclosure was acknowledged in this agreement, which was signed by Nikola Tesla and by A. Bartonian of the Amtorg Trading Corporation. The method referred to in this agreement is apparently that described in Exhibit F, above. It is probable that Exhibit D, above, is an effort by Tesla to clear up the questions raised by Soviet engineers after the subject disclosure had been made. There is no evidence that the inventions and information referred to in this agreement are other than those described in a number of Tesla's papers and published articles. It should therefore be expected, and it is substantiated by Exhibit D, that this disclosure subsequently proved unworkable.

3.

An examination of several items of scientific apparatus among the Tesla efforts at the Manhattan Warehouse and in a deposit box at the Governor Clinton Hotel showed those to be standard electrical measuring instruments in common use several decades ago.



JOHN G. TRUMP,
Technical Aide,
Division 14, NRC.

Mass. Inst. of Tech.,
Cambridge, Mass.,
January 30, 1943.